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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/769,576	01/25/2001	Bin-Shing Chen	3308	4502
7:	590 04/10/2003			
Niro, Scavone, Haller & Niro Suite 4600 181 West Madison Street			EXAMINER	
			TRAN, THIEN F	
Chicago, IL 6	0602-4515		ART UNIT	PAPER NUMBER
		·	2811	
			DATE MAILED: 04/10/2003	17

Please find below and/or attached an Office communication concerning this application or proceeding.

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)	Application No.	Applicant(s)			
	09/769,576	CHEN, BIN-SHING			
Office Action Summary	Examiner	Art Unit			
	Thien Tran	2811			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with th	he correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	of (a). In no event, however, may a reply be within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on	<u> </u>				
2a) ☐ This action is FINAL. 2b) ☑ Thi	s action is non-final.				
 Since this application is in condition for allowal closed in accordance with the practice under a Disposition of Claims 					
4)⊠ Claim(s) <u>11-15</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>11-15</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accep					
Applicant may not request that any objection to the					
11) The proposed drawing correction filed on		pproved by the Examiner.			
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesti					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Inform	mary (PTO-413) Paper No(s) mal Patent Application (PTO-152)			
S. Patent and Trademark Office					





Art Unit: 2811

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 11-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsieh (USPN 6,245,614).

Hsieh discloses the claimed EEPROM device (Fig. 17) comprising a silicon substrate 102 having a source/drain region (132 or 134); a tunnel oxide layer (104, 105) disposed over the silicon substrate; a select gate (112, 114, 116, 118) disposed over the tunnel oxide layer, wherein the select gate is defined by conductive layer 106 covered with a first insulated material 108 thereon and comprises a sidewall 122 made of a second insulated material; a sidewall forming a floating gate 126 aligned to one side of the select gate; a third insulated material 142 disposed over the tunnel oxide layer, the select gate and the floating gate; and a control gate 145 formed on the third insulated material.

Regarding claim 12, each of the first insulated material, the second insulated material and the third insulated material is one selected from a group consisting of silicon oxide, silicon nitride and silicon oxide/nitride composite.



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Regarding claim 13, the conductive layer 106 is made of polysilicon.

Regarding claim 14, the floating gate and the control gate are made of polysilicon.

Regarding claim 15, the control gate 145 partially covers the third insulating material 142.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien Tran whose telephone number is (703) 308-4108. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

tt April 4, 2003

Thien Tran
Patent Examiner
Technology Center 2800